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MULTI-INPUT, MULTI-OUTPUT MOTION CONTROL FOR LITHOGRAPHY SYSTEM ABSTRACT

A multi-input, multi-output vibration control system for a lithography system. The system provides an actuator, and a sensor useful for controlling vibrations in systems for fabricating electronics equipment. The system includes a processor programmed with a multi-input, multi-output control technique such as a linear quadratic Gaussian, H-infinity or mu synthesis. The actuator may comprise one or more plates or elements of electroactive material bonded to an electroded sheet.

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